



NOTES:

- HE LEAK TEST @ 1 ATM. 1×10^{-6} CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
- HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND HOUSING.
- ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
- ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
- ALL PARTS MUST PASS ALL TESTS.
- WIRE POSITIONING IS APPROXIMATE & VARIABLE.
- COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:
 $\leq .5 [12.7]$ SEAL DIAMETER: $\phi .035 [.89]$ MAX ALLOWED VOID SIZE
 $> .5 [12.7]$ SEAL DIAMETER: $\phi .060 [1.5]$ MAX ALLOWED VOID SIZE
- REF-OPERATING TEMPERATURE RANGE SEE TABLE.
- DIMENSIONS ARE INCHES [millimeters].
- PAVE-SEAL CAN BE A BI-DIRECTIONAL HERMETIC SEAL FOR VACUUM AND MOST PRESSURES. FOR PRESSURES ABOVE 150 PSI (10 BAR), CHECK WITH SALES ENGINEERING.

PAVE#	X	ITEM 13	ITEM 13 DESCRIPTION	TEMPERATURE
2278	24 [610]	-116 VITON	O-RING -116 VITON 75	-20°C TO 125°C
2278-1	36 [914]	-116 BUTYL	O-RING -116 BUTYL 70	-59°C TO 121°C

ITEM	QTY	PART NUMBER	DESCRIPTION
14	1	8L5N-SS NUT	NUT VS12-SS
13	1	SEE TABLE	SEE TABLE
12	2	E28 YELLOW	WIRE 28E MIL-W-16878/4 .010 7/#36
11	2	E28 WHITE	WIRE 28E MIL-W-16878/4 .010 7/#36
10	2	E28 VIOLET	WIRE 28E MIL-W-16878/4 .010 7/#36
9	2	E28 RED	WIRE 28E MIL-W-16878/4 .010 7/#36
8	2	E28 ORANGE	WIRE 28E MIL-W-16878/4 .010 7/#36
7	2	E28 GREEN	WIRE 28E MIL-W-16878/4 .010 7/#36
6	2	E28 GRAY	WIRE 28E MIL-W-16878/4 .010 7/#36
5	2	E28 BROWN	WIRE 28E MIL-W-16878/4 .010 7/#36
4	2	E28 BLUE	WIRE 28E MIL-W-16878/4 .010 7/#36
3	2	E28 BLACK	WIRE 28E MIL-W-16878/4 .010 7/#36
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	1180	HOUSING VS12L-SS

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DESCRIPTION
VS12L-SS-150-20-TE28-X-8

PART NUMBER
2278

MATERIAL NOTED

REVISION LEVEL
B

PROJECTION

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES.
ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE: NONE ± 0.5
X.X DECIMAL ± 0.1 X.XX DECIMAL ± 0.02 X.XXX DECIMAL ± 0.005
ANGLES ± 1 DEGREE. SURFACE FINISH 128 microinch RMS